Aeronautics Educator Guide			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	IN	MA.2.2.5.1	Measure and estimate length to the nearest inch, foot, yard, centimeter, and meter.
Air Engines (12-16)	IN	MA.2.2.5.3	Decide which unit of length is most appropriate in a given situation.
Rotor Motor (69-75)	IN	MA.2.2.1.12	Represent, compare, and interpret data using tables, tally charts, and bar graphs.
Flight: Interdisciplinary Learning Activities (76-79)	IN	MA.2.2.1.1	Count by ones, twos, fives, and tens to 100.
Flight: Interdisciplinary Learning Activities (76-79)	IN	MA.2.2.1.12	Represent, compare, and interpret data using tables, tally charts, and bar graphs.
Flight: Interdisciplinary Learning Activities (76-79)	IN	MA.2.2.5.11	Find the duration of intervals of time in hours.
Plan to Fly There (97-106)	IN	MA.2.2.5.11	Find the duration of intervals of time in hours.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	IN	MA.2.2.1.12	Represent, compare, and interpret data using tables, tally charts, and bar graphs.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	IN	MA.2.2.5.11	Find the duration of intervals of time in hours.
Dunked Napkin (17-22)	IN	MA.2.2.1.11	Collect and record numerical data in systematic ways.
Dunked Napkin (17-22)	IN	MA.2.2.1.12	Represent, compare, and interpret data using tables, tally charts, and bar graphs.
Paper Bag Mask (23-28)	IN	MA.2.2.4.1	Construct squares, rectangles, triangles, cubes, and rectangular prisms with appropriate materials.
Paper Bag Mask (23-28)	IN	MA.2.2.4.3	Investigate and predict the result of putting together and taking apart two- and three-dimensional shapes.
Paper Bag Mask (23-28)	IN	MA.2.2.4.4	Identify congruent two-dimensional shapes in any position.
Paper Bag Mask (23-28)	IN	MA.2.2.4.5	Recognize geometric shapes and structures in the environment and specify their locations.
Paper Bag Mask (23-28)	IN	MA.2.2.5.1	Measure and estimate length to the nearest inch, foot, yard, centimeter, and meter.
Paper Bag Mask (23-28)	IN	MA.2.2.5.2	Describe the relationships among inch, foot, and yard. Describe the relationship between centimeter and meter.
Paper Bag Mask (23-28)	IN	MA.2.2.5.3	Decide which unit of length is most appropriate in a given situation.

Wind in Your Socks) (29-35)	IN	MA.2.2.1.11	Collect and record numerical data in systematic ways.
Wind in Your Socks) (29-35)	IN	MA.2.2.5.1	Measure and estimate length to the nearest inch, foot, yard, centimeter, and meter.
Wind in Your Socks) (29-35)	IN	MA.2.2.5.2	Describe the relationships among inch, foot, and yard. Describe the relationship between centimeter and meter.
Wind in Your Socks) (29-35)	IN	MA.2.2.5.3	Decide which unit of length is most appropriate in a given situation.
Right Flight (52-59)	IN	MA.2.2.6.1	Choose the approach, materials, and strategies to use in solving problems.
Delta Wing Glider (60-68)	IN	MA.2.2.6.1	Choose the approach, materials, and strategies to use in solving problems.
Aeronautics Educator Guide			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	IN	MA.3.3.5.1	Measure line segments to the nearest half-inch.
Flight: Interdisciplinary Learning Activities (76-79)	IN	MA.3.3.1.1	Count, read, and write whole numbers up to 1,000.
Flight: Interdisciplinary Learning Activities (76-79)	IN	MA.3.3.5.9	Tell time to the nearest minute and find how much time has elapsed.
Plan to Fly There (97-106)	IN	MA.3.3.5.9	Tell time to the nearest minute and find how much time has elapsed.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	IN	MA.3.3.5.9	Tell time to the nearest minute and find how much time has elapsed.
Dunked Napkin (17-22)	IN	MA.3.3.1.13	Interpret data displayed in a circle graph and answer questions about the situation.
Paper Bag Mask (23-28)	IN	MA.3.3.4.6	Use the terms point, line, and line segment in describing two-dimensional shapes.
Paper Bag Mask (23-28)	IN	MA.3.3.5.1	Measure line segments to the nearest half-inch.
Paper Bag Mask (23-28)	IN	MA.3.3.5.2	Add units of length that may require regrouping of inches to feet or centimeters to meters.
Wind in Your Socks) (29-35)	IN	MA.3.3.5.1	Measure line segments to the nearest half-inch.
Wind in Your Socks) (29-35)	IN	MA.3.3.5.2	Add units of length that may require regrouping of inches to feet or centimeters to meters.
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2000 Mathematics			
Academic Standards			
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Grade 4			
Activity/Lesson	**State**	**Standards**	

Air Engines (12-16)	IN	MA.4.4.5.1	Measure length to the nearest quarter-inch, eighth-inch, and millimeter.
Plan to Fly There (97-106)	IN	MA.4.4.5.9	Add time intervals involving hours and minutes.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	IN	MA.4.4.5.9	Add time intervals involving hours and minutes.
Dunked Napkin (17-22)	IN	MA.4.4.6.2	Interpret data graphs to answer questions about a situation.
Paper Bag Mask (23-28)	IN	MA.4.4.5.1	Measure length to the nearest quarter-inch, eighth-inch, and millimeter.
Wind in Your Socks) (29-35)	IN	MA.4.4.5.1	Measure length to the nearest quarter-inch, eighth-inch, and millimeter.
Air: Interdisciplinary Learning Activities (36-39)	IN	MA.4.4.5.8	Use volume and capacity as different ways of measuring the space inside a shape.